



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Pantoliano *et al.*

Appl. No. 10/057,940

Filed: January 29, 2002

For: **High Throughput Method For
Functionally Classifying Proteins
Identified Using a Genomics
Approach**

Confirmation No. 4865

Art Unit: 1627

Examiner: *To be assigned*

Atty. Docket: 1503.0310002/JAG/JSO

RECEIVED

JUL 08 2002

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Information Disclosure Statement

Commissioner for Patents
Washington, D.C. 20231

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. A copy of each of these documents is provided.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not

be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

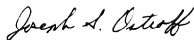
It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. No statement or fee is required.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



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Date: July 5, 2002

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FORM PTO-1419

INFORMATIONAL DISCLOSURE STATEMENT

ATTY. CLOPPET M.
10/1/1999APPLICANT'S NO.
10/1/1999APPLICANT
Pantoliano et al.FILING DATE
January 29, 1999GROUP
1601

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	4,963,263	10/16/1990	Kauvar, L.M.	210	635	05/16/1989
	AB1	5,133,866	07/28/1992	Kauvar, L.M.	210	635	10/31/1989
	AC1	5,117,869	04/06/1993	Kauvar, L.M.	435	7.9	10/11/1988
	AD1	5,155,976	10/26/1993	Connelly, R.R.	374	31	07/10/1992
	AE1	5,262,207	11/09/1993	Pantoliano, M.W. et al.	435	621	10/19/1990
	AF1	5,303,425	04/05/1994	Kauvar, L.M.	435	7.9	12/06/1989
	AG1	5,335,559	09/16/1994	Kauvar, L.M. et al.	435	7.1	04/01/1992
	AH1	5,341,474	08/23/1994	Kauvar, L.M.	210	635.2	04/09/1993
	AI1	5,356,784	10/18/1994	Kauvar, L.M.	435	7.9	03/30/1993
	AJ1	5,409,641	04/25/1995	Kauvar, L.M.	210	635	09/02/1993
	AK1	5,463,564	10/31/1995	Agrafiotis, D.K. et al.	364	496	09/16/1994

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	WO 93/19969	03/18/1995	WIPO			Yes No
	AM1	WO 96/23879	04/06/1996	WIPO			Yes No
	AN1	WO 97/09342	05/15/1997	WIPO			Yes No
	AO1	WC 97/14038	04/11/1997	WIPO			Yes No
	AP1	EP 0 770 876 A1	08/07/1997	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AP	1	Fagshaw, C.F. and D.A. Harris, "Chapter 4. Measurement of Ligand Binding to Proteins," in Spectrophotometry & spectrofluorimetry: a practical approach, Fagshaw, C.F. and D.A. Harris, eds., IRL Press, Washington, DC, pp. 91-111 (1987).
AS	1	Barcelo, F. et al., "A Scanning Calorimetric Study of Natural DNA and Antitumoral Anthracycline Antibiotic-DNA Complexes," Chem.-Biol. Interactions 74:315-314, Elsevier Scientific Publishers Ireland Ltd. (1990).
AT	1	Bell, J.E., "Chapter 1. Fluorescence: Solution Studies," in Spectroscopy in Biochemistry, Volume 1, J.E. Bell, ed., CRC Press, Inc., Boca Raton, FL, pp. 155-194 (1991).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 411. Use line through citation if not in conformance and not considered. Include copy of this form with next communication to AIA 10/1/1999.



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Page 3 of 4
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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1503.03.0002APPL. NO.
10,057,340APPLICANT
Pantoliano et al.FILING DATE
January 29, 2000GROUP
1627

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AR2	5,525,300	04/11/1996	Danassaert, J.L. et al.	422	99	10/20/1993
	AB2	5,567,217	10/22/1996	Kautar, L.M.	210	635	03/09/1995
	AC2	5,569,277	12/17/1996	Bowie, J.U. et al.	136	518	03/21/1995
	AD2	5,567,293	12/24/1996	Kautar, L.M. et al.	435	7.21	01/06/1994
	AE2	5,620,901	01/15/1997	Kautar, L.M.	436	518	05/05/1994
	AF2	5,678,582	12/21/1997	Bowie, J.U. et al.	436	518	06/21/1994
	AG2	5,620,141	02/01/2000	Pantoliano et al.	425	7.1	05/09/1997
	AH2	6,303,322 P1	10/16/2001	Pantoliano et al.	435	7.1	01/05/2000
	AI						
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	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL2	WO 97/20952	06/12/1997	WIPO			Yes No
	AM2	WO 97/42500	11/13/1997	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	2	Bergdoll, M., et al., "All in the family: Structural and evolutionary relationships among three modular proteins with diverse functions and variable assembly," <i>Protein Sci.</i> 7:1661-1670, Cambridge University Press (August 1998).
AS	2	Blattner, F.R., et al., "The Complete Genome Sequence of <i>Escherichia coli</i> K-12," <i>Science</i> 277:1453-1462, American Association for the Advancement of Science (September 1997).
AT	2	Esbauer, M. and D.C. Wiley, "Importance of Peptide Amino and Carboxyl Termini to the Stability of MHC Class I Molecules," <i>Science</i> 265:398-402, American Association for the Advancement of Science (1994).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



JUL 08 2002

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FORM PT-4149

INFORMATION DISCLOSURE STATEMENT

ACTY. SUBJECT NO.
1531-00100APPLICATION NO.
16/057,940APPLICANT
Eli Lilly and Co.FILING DATE
January 29, 2002GROUP
1637

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
		AA					
		AB					
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
		AL					Yes No
		AM					Yes No
		AN					Yes No
		AO					Yes No
		AP					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	2	Brand, L. and J.R. Gohlke, "Fluorescence Probes for Structure," <i>Ann. Rev. Biochem.</i> 41:843-868, Annual Reviews Inc. (1972).
AS	3	Brand's, J.F. and L.-H. Lin, "Study of Strong to Ultratight Protein Interactions Using Differential Scanning Calorimetry," <i>Biochemistry</i> 29:6927-6940, American Chemical Society (1990).
AT	2	Chavan, A.J. and B.E. Haley, "Interaction of Nucleotides with Acidic Fibroblast Growth Factor (FGF-1)," <i>Biochemistry</i> 33:7193-7202, American Chemical Society (1994).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §39. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



JUL 08 2002

TECH CENTER 1600/2900

FORM 1700-1449 INFORMATION DISCLOSURE STATEMENT	ATTN. REPORT NO. 1000010000	APPLICATION NO. 1000007940
	APPLICANT Publications of J.L.	
	FILING DATE January 29, 2000	GROUP 1607

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	1	Clegg, R.M. et al., "Observing the helical geometry of double-stranded DNA in solution by fluorescence resonance energy transfer," <i>Proc. Natl. Acad. Sci. USA</i> 90:2994-2998, The National Academy of Science (1993).
AS	1	Davidson, A.P. et al., "Cooperatively folded proteins in random sequence libraries," <i>Nature Structural Biol.</i> 2:856-864, Nature Publishing Group (1995).
AT	1	Denessiouk, M.A. et al., "Enzyme-monomononucleotide interactions: Three different folds share common structural elements for ATP recognition," <i>Protein Sci.</i> 7:1768-1771, Cambridge University Press August 1998.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

JUL 08 2002

~~TECH CENTER 1600/2900~~

FORM FD-149 INFORMATION DISCLOSURE STATEMENT	ATTN: L. J. PETERSON 1525 N. 31ST AVE.	APPLICATION NO. 157057, 248
	APPLICANT Jack Peterson et al.	GROUP 1607

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
							Yes
	AL						No
	AM						Yes
							No
	AN						Yes
							No
	AO						Yes
							No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AP	En	Dennis, S. et al., "Use of fragments of hirudin to investigate thrombin-hirudin interaction," <i>Eur. J. Biochem.</i> 188:61-66, Springer International and the Federation of European Biochemical Societies (1990).
AS	E	Diwu, Z. et al., "Fluorescent Molecular Probes. II. The Synthesis, Spectral Properties and Use of Fluorescent Solvatochromic Dapoxyl Dyes," <i>Photochem. & Photobiol.</i> 66:424-431, American Society for Photobiology (October 1997).
AT	En	Eftink, M.P. et al., "The Use of Fluorescence Methods to Monitor Unfolding Transitions in Proteins," <i>Biophys. J.</i> 66:81-91, The Biophysical Society (1994).
EXAMINER		DATE CONSIDERED

EXAMINER

CASE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with NRP #09. Draw the appropriate citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



JUL 08 2002

TECH CENTER 1680/2900

FORM ITU-1419 INFORMATION DISCLOSURE STATEMENT	ATTY. & COUNSEL 15/05/03/004	APPLICATION NO. 15/05/03/004
	APPLICANT Paracellus et al.	
	FILING DATE January 29, 1997	GROUP 1407

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
		AA					
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
		AL					Yes No
		AM					Yes No
		AN					Yes No
		AO					Yes No
		AP					Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AP	6	Fraser, C.M. et al., "Complete Genome Sequence of <i>Treponema pallidum</i> , the <i>Syphilis</i> Spirochete," <i>Science</i> 281:375-388, American Association for the Advancement of Science (July 1998).
AS	6	Hietter, P. and Boguski, M., "Functional Genomics: It's All Now You Read It," <i>Science</i> 278:601-602, American Association for the Advancement of Science (October 1997).
AT	6	Hogg, P.J. and Jackson, C.M., "Fibrin monomer protects thrombin from inactivation by heparin-antithrombin III: Implications for heparin efficacy," <i>Proc. Natl. Acad. Sci. USA</i> 84:3619-3623, National Academy of Sciences (1987).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 1101. Mark YES if citation is in conformance and NO if not in conformance. Include copy of this form with next communication to Applicant.



JUL 08 2002

TECH CENTER 1800/2900

FORM PTO-1149

INFORMATION DISCLOSURE STATEMENT

ATTN: DISCLOSURE
1800/2900

ATTN: 1800/2900

APPLICANT
BIOGEN IDEC, INC.

FILING DATE
January 19, 2001

GROUP
1007

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	1	Hogg, P.J. and Jackson, C.M., "Formation of a Ternary Complex between Thrombin, Fibrin Monomer, and Heparin Influences the Action of Thrombin on Its Substrates," J. Biol. Chem. 265:248-255, American Society for Biochemistry and Molecular Biology, Inc. (1990).
AS	1	Hutchings, K.A., et al., "Inhibition of Heparin Activity in Plasma by Soluble Fibrin: Evidence for Ternary Thrombin-Fibrin-Heparin Complex Formation," Blood 84:496-503, W.B. Saunders Company (1994).
AT	1	Janknecht, P., et al., "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus," Proc. Natl. Acad. Sci. USA 88:8971-8974, National Academy of Sciences (1991).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



JUL 08 2002

TECH CENTER 1600/2900

FORM ITJ-1449

INFORMATIONAL DISCLOSURE STATEMENT

APP. NO. 1073, 31000

APPLICANT NO. 327847, 949

APPLICANT
Partnership of J.

FILING DATE
January 29, 2001

GROUP
1001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

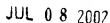
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	2	Kan, M. et al., "An Essential Heparin-Binding Domain in the Fibroblast Growth Factor Receptor Kinase," <i>Science</i> 259:1918-1921, American Association for the Advancement of Science (1993).
AS	2	Lewis, M. et al., "Crystal Structure of the Lactose Operon Repressor and Its Complexes with DNA and Inducor," <i>Science</i> 271:1247-1254, American Association for the Advancement of Science (1996).
AT	2	Morton, A. et al., "Energetic Origins of Specificity of Ligand Binding in an Interior Nonpolar Cavity of T4 Lysozyme," <i>Biochemistry</i> 34:8564-8576, American Chemical Society (1995).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial of reference considered, whether or not citation is in conformance with XPEP 429. Mark line number citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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PREFACE xv

INFORMATION DISCLOSURE STATEMENT

[illegible]

1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

APPLIED ARTS COLLEGE

2,165,345

4412 • J. Neurosci., August 12, 2009 • 29(32):4405–4414

Farrell et al.

FALLING DATE

January 29, 2001

GROUP

: 627

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	2	Nakatani, H., et al., "Temperature-Jump Studies on Benzeneboronic Acid-Serine Protease Interactions," <i>J. Biochem.</i> 77:905-908, The Japanese Biochemical Society (1975).
AS	13	Pantoliato, M.W., et al., "Multivalent Ligand-Receptor Binding Interactions in the Fibroblast Growth Factor System Produce a Cooperative Growth Factor and Heparin Mechanism for Receptor Dimerization," <i>Biochemistry</i> 33:10239-10248, American Chemical Society (1994).
AT	13	Pennisi, E., "Laboratory Workhorse Decoded," <i>Science</i> 277:1432-1434, American Association for the Advancement of Science (September 1997).

INDEX

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with NPEP 419. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



JUL 0 8 2002

TECH CENTER 1600/2900

FORM PTC-449
INFORMATION DISCLOSURE STATEMENT

ATTY. ROBERT M. L. 107-1-1000-02	APPLICATION NO. 107-107,949
APPLICANT PAINTECH INC. 31	
FILING DATE January 09, 2002	GROUP 1607

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	10	Qasba, P.K. and Kumar, S., "Molecular Divergence of Lysozymes and α -Lactalbumin," Crit. Rev. Biochem. Mol. Biol. 32:255-306, CPC Press LLC (December 1997).
AS	12	Powen, L. et al., "Sequencing the Human Genome," Science 278:605-607, American Association for the Advancement of Science (October 1997).
AT	12	Schellman, J.A., "Macromolecular Binding," Biopolymers 14:999-1018, John Wiley & Sons, Inc. 1975.

EXAMINER

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP #19. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



JUL 08 2002

TECH CENTER 1600/2900

FORM PTJ-1449 INFORMATION DISCLOSURE STATEMENT	ATTN. COMPT. NO. 1529,031946	APPLICATION NO. 10/257,940
	APPLICANT PARTICULARS OF A.I.	
	FILING DATE January 29, 2000	GROUP 1401

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
							Yes No
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AP	11	Schellman, J.A., "Communications to the Editor. The Effect of Binding on the Melting Temperature of Biopolymers," <i>Biopolymers</i> 15:999-1000, John Wiley & Sons, Inc. (1976).
AS	11	Schellman, J.A., "The relation between the free energy of interaction and binding," <i>Biophys. Chem.</i> 45:273-279, Elsevier Science Publishers B.V. (1993).
AT	11	Tapparello, G. et al., "In Vitro and In Vivo Characterization of a Neutral Boreon-containing Thrombin Inhibitor," <i>J. Biol. Chem.</i> 268:4734-4741, American Society for Biochemistry and Molecular Biology, Inc. (1993).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 403. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



JUL 08 2002

TECH CENTER 1600/2900

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. F. JAMES M.
1543, 000/000AIRMAIL/REG. NO.
1,475,7,949APPLICANT
PART CLERK OF A.FILING DATE
January 09, 2002GROUP
1607

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	12	Tatusov, R.L. et al., "A Genomic Perspective on Protein Families," Science 278:631-637, American Association for the Advancement of Science (October 1997).
AS	10	Tong, L. et al., "Conserved mode of peptidomimetic inhibition and substrate recognition of human cytomegalovirus protease," Nature Structural Biol. 5:819-826, Nature Publishing Co. (September 1998).
AT	11	Vijayalakshmi, J. et al., "The isomorphous structures of prethrombin ² , hirugen-, and PAPAP-thrombin changes accompanying activation and exosite binding to thrombin," Protein Sci. 3:2264-2271, Cambridge University Press and The Protein Society (1994).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §29. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

JUL 05 2002

JUL 08 2002

TECH CENTER 1600/2900

FORM PTL-1449

INFORMATIONAL DISCLOSURE STATEMENT

ATTY. SECRET NO.
1591,9310/000APPLICATION NO.
11/957,946APPLICANT
Participants of II.FILING DATE
January 19, 2000GROUP
1601

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

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	AM						Yes
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	AN						Yes
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	AO						Yes
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	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

OTHER (Including Author, Title, Date, Reference Page)		
AR	<u>13</u>	Weber, P.C. et al., "Structure-Based Design of Synthetic Azobenzene Ligands for Streptavidin," J. Am. Chem. Soc. 116:2717-2724, American Chemical Society (1994).
AS	<u>13</u>	Wiseman, T. et al., "Rapid Measurement of Binding Constants and Heats of Binding Using a New Titration Calorimeter," Anal. Biochem. 179:131-137, Academic Press Inc. 1989).
AT	<u>13</u>	Price list of Products from BioProbes 13, New Products and Applications Catalog, Molecular Probes, Inc., Eugene, Oregon, pp. 6-9 May 1997.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §19. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to AFI-17961.



JUL 08 2002

TECH CENTER 1600/2900

FORM PTO-1419 INFORMATION DISCLOSURE STATEMENT	ATTY. COUNSEL N.	APPLICATION NO.
	1600/031/090	167657,949
	APPLICANT	
	Pantollano et al.	
	FILING DATE	GROUP
	January 19, 2000	1600

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
							Yes No
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	14	United States Patent Application Publication No. US 2001/0003648 A1, Pantollano et al., published June 14, 2001.
AS		
AT		
EXAMINER		DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §10. Drawings through citation is not in conformance and not considered. Include copy of this form with next communication to Applicant.		